

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20050009467".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 14:45
S2	1645	455/12.1.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 12:29
S3	378	370/316.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 14:43
S4	272147	hybrid	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 14:45
S5	51	S3 and S4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:32
S6	24	S5 and (transpond\$3 and process\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 16:49
S7	19	S6 and relay\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 09:07
S8	0	S7 and (dama or "demand assigned mulutiple access")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:13
S9	746	(dama or "demand assigned mulutiple access")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:14

## EAST Search History

S10	55	S2 and S9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:14
S11	11	S4 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:34
S12	2390	(data near3 transmission) and satellite and relay\$3 and "service provider" and request\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:50
S13	30	S3 and S12	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:36
S14	11	S4 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:36
S15	2	(data near3 transmission) same satellite same relay\$3 same "service provider" same request\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:53
S16	39	hybrid near3 payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:58
S17	0	S3 and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:54
S18	0	S2 and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:54
S19	0	S7 and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:54

## EAST Search History

S20	11	satellite and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 16:35
S21	7	S20 and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:55
S22	2	(hybrid near3 payload) same DAMA	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:59
S23	7	(hybrid near3 payload) same satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/20 15:59
S24	4	("4763325" "6674730").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 09:06
S25	2754	(user near3 terminal) same satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 09:10
S26	378	370/316.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 09:07
S27	113	S25 and S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 09:11
S28	61	S27 and relay\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 09:07
S29	145	(user near3 terminal) same satellite same (service near3 provider)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 09:11

## EAST Search History

S30	16	S29 and S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 09:54
S31	7	(dama or "demand assigned mulutiple access") and arbitration and payload and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:15
S32	378	370/316.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:15
S33	0	S31 and S32	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:15
S34	7	(dama or "demand assigned mulutiple access") and arbitration and payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:42
S35	7	(dama or "demand assigned mulutiple access") and arbitration and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:16
S36	8	(dama or "demand assigned mulutiple access") and arbitration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:16
S37	1645	455/12.1.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:16
S38	0	S37 and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:17
S39	0	S32 and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:18

## EAST Search History

S40	746	(dama or "demand assigned mulutiple access")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:18
S41	10	S32 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:45
S42	224	protocol and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:18
S43	35	(dama or "demand assigned mulutiple access") near3 protocol	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:18
S44	3	S32 and S43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:24
S45	0	S44 and acknowledg\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:25
S46	0	S44 and ack\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:44
S47	0	S43 and ack\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:25
S48	22	S42 and ack\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:44
S49	8	(dama or "demand assigned mulutiple access") and arbitration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 18:12

## EAST Search History

S50	0	S49 and ack\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:44
S51	15907	processor and ack\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:45
S52	24	S32 and S51	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:45
S53	532	processor near3 ack\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 17:45
S54	3	S32 and S53	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 18:12
S55	4721	colli\$4 and arbitrat\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 18:12
S56	2	S32 and S55	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/21 18:12
S57	5	(US-6400696-\$ or US-6249677-\$ or US-6072768-\$ or US-5594780-\$ or US-6532219-\$).did.	USPAT	OR	ON	2006/12/22 08:23
S58	2	S57 and status	USPAT	OR	ON	2006/12/21 18:35
S59	5	(US-6400696-\$ or US-6249677-\$ or US-6072768-\$ or US-5594780-\$ or US-6532219-\$).did.	USPAT	OR	ON	2006/12/22 08:24
S60	1	S59 and (bandwidth same available)	USPAT	OR	ON	2006/12/22 08:25
S61	2	S59 and bandwidth	USPAT	OR	ON	2006/12/22 08:27
S62	137	assign\$3 same bandwidth same criteria	USPAT	OR	ON	2006/12/22 08:28

## EAST Search History

S63	378	370/316.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 17:47
S64	2	S62 and S63	USPAT	OR	ON	2006/12/22 08:29
S65	2	"7142522".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 11:56
S67	12	(hybrid near3 payload) and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 17:22
S68	1678	455/12.1.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 18:10
S70	80486	"455"/\$.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 17:23
S72	1	S65 and latency	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 18:21
S73	1	S65 and delay	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 18:06
S74	1	S65 and (reduc\$3 or decreas\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 18:07
S76	10	satellite and ((reduc\$3 or decreas\$3) near3 (time near3 round\$trip))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 18:09

## EAST Search History

S77	17	satellite and ((reduc\$3 or decreas\$3) near3 ((time or latency) near3 round\$trip))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 18:09
S78	17	S77 and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 18:10
S79	1	S65 and bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/01 18:23
S80	2	"7142522".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 12:25
S81	1	S80 and assign\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 12:03
S82	2	S80 and process\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 12:03
S83	5	("6381228"   "6449267"   "6604146"   "6625129"   "6850497").PN. OR ("7142522").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/03 12:26
S84	6	(US-6532219-\$ or US-6400696-\$ or US-5594780-\$ or US-6072768-\$ or US-6987741-\$ or US-6249677-\$). did.	USPAT	OR	ON	2007/06/03 13:49
S85	2	S84 and (ack or acknowledgement)	USPAT	OR	ON	2007/06/03 13:50
S86	2	(US-7142522-\$ or US-6381228-\$). did.	USPAT	OR	ON	2007/06/03 13:55
S87	1	S86 and (ack or acknowledgment)	USPAT	OR	ON	2007/06/03 13:56
S88	1	S86 and deny\$3	USPAT	OR	ON	2007/06/03 16:22
S89	1	S86 and deny\$3 and (ack or acknowledgment)	USPAT	OR	ON	2007/06/03 13:58
S90	2	S86 and process\$3	USPAT	OR	ON	2007/06/03 13:58



## EAST Search History

S91	6	(US-6532219-\$ or US-6400696-\$ or US-5594780-\$ or US-6072768-\$ or US-6987741-\$ or US-6249677-\$). did.	USPAT	OR	ON	2007/06/03 16:26
S92	2	(US-7142522-\$ or US-6381228-\$). did.	USPAT	OR	ON	2007/06/03 16:22
S93	8	S91 or S92	USPAT	OR	ON	2007/06/03 16:22
S94	1	S93 and (reduc\$3 near3 (time or delay or latency))	USPAT	OR	ON	2007/06/03 16:24
S95	1	S93 and (content near3 provider)	USPAT	OR	ON	2007/06/03 16:31
S96	0	S83 and (content near3 provider)	USPAT	OR	ON	2007/06/03 16:32
S97	2	S83 and ((content or data or service or multi\$media) near3 provider)	USPAT	OR	ON	2007/06/03 16:34
S98	5	S93 and ((content or data or service or multi\$media) near3 provider)	USPAT	OR	ON	2007/06/03 16:34
S99	0	S93 and (hybrid near3 payload)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 17:54
S10 0	11325	370/277,278,282,442-463,315,321-323,310,325,318,337,316,341.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 17:50
S10 1	4038	455/12.1,13.2,427,434,515,3.2452.1,452.2.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 17:52
S10 2	2250	375/356,357,368.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 17:53
S10 3	17127	S100 S101 S102	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 17:53
S10 4	0	S103 and (hybrid near3 payload)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 17:54

## EAST Search History

S10 5	9	(hybrid adj payload)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 17:55
S10 6	1	(hybrid adj payload).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 17:54
S10 7	2	(hybrid adj payload) same satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 17:55
S10 8	3	(hybrid adj payload) and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 17:56
S10 9	3	S93 and (bandwidth near3 request\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/03 18:45
S11 0	1695	satellite with ((transpond\$3 and process\$3) or (hybrid near2 payload))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 16:53
S11 1	1687	455/12.1.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:02
S11 2	208	S110 and S111	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 16:51
S11 3	392	370/316.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:01
S11 4	21	S112 and S113	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 16:51

## EAST Search History

S11 5	454	satellite with ((transpond\$3 with process\$3) or (hybrid near2 payload))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 16:54
S11 6	20	S113 and S115	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 16:54
S11 7	6	S111 and S116	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 16:54
S11 8	398	370/318.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:01
S11 9	577	455/13.1.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:31
S12 0	844	455/427.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:03
S12 1	24	(S111 S113 S118 S119 S120) and access\$3 and deny\$3 and (allocat\$3 or assign\$3) and analog and digital and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:17
S12 2	4	(S111 S113 S118 S119 S120) and access\$3 and deny\$3 and (allocat\$3 or assign\$3) and analog and digital and (hybrid near2 satellite)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:35
S12 3	442	(hybrid near2 satellite) or ((analog near3 digital near3 satellite) near2 process\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:17
S12 4	432	(hybrid near2 satellite) or ((analog near2 digital near2 satellite) near2 process\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:17

## EAST Search History

S12 5	68	(S111 S113 S118 S119 S120) and S124	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:26
S12 6	0	((on\$board or on-board or "on board") adj (processor near2 (digital\$analog or analog\$digital or (digital near2 analog)))) with satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:28
S12 7	0	((on\$board or on-board or "on board") near3 (processor near2 (digital\$analog or analog\$digital or (digital near2 analog)))) with satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:29
S12 8	0	((on\$board or on-board or "on board") near3 (processor near2 (digital\$analog or analog\$digital or (digital near2 analog)))) same satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:30
S12 9	2	(hybrid adj payload) near3 satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:30
S13 0	7	(hybrid near3 payload) near3 satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:31
S13 1	5	S130 and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:32
S13 2	0	analog same digital same payload same satellite same precess\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:32
S13 3	309	((analog and digital) near3 process\$3) same satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:34
S13 4	25	((analog and digital) near3 processor) with satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:34

## EAST Search History

S13 5	7	(S111 S113 S118 S119 S120) and S134	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:35
S13 6	1839	wta or "wave tube amplifier"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 15:41
S13 7	1687	455/12.1.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:18
S13 8	48	S136 and S137	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 15:42
S13 9	345	twta or "traverling wave tube amplifier"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 15:41
S14 0	290	S136 and S139	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 16:42
S14 1	41	S137 and S139	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 16:24
S14 2	41	satellite and S141	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 16:02
S14 3	12	S142 and analog	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 16:13
S14 4	1	S142 and ((analog same digital) near3 payload)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 16:15

## EAST Search History

S14 5	2	S140 and ((analog same digital) near3 payload)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 16:15
S14 6	36	(US-20060146863-\$ or US-20050232180-\$ or US-20040224633-\$ or US-20040185775-\$ or US-20040110467-\$ or US-20030068979-\$).did. or (US-6865388-\$ or US-6072768-\$ or US-6987741-\$ or US-4763325-\$ or US-5995832-\$ or US-7103317-\$ or US-7085247-\$ or US-7068616-\$ or US-7058403-\$ or US-6985454-\$ or US-6408164-\$ or US-5956620-\$ or US-5859620-\$ or US-6266329-\$ or US-6047162-\$ or US-6498922-\$ or US-6636721-\$ or US-6195383-\$ or US-7027414-\$ or US-6414944-\$ or US-6381228-\$ or US-6249677-\$ or US-6201961-\$ or US-5594780-\$ or US-6400696-\$ or US-6532219-\$). did. or (US-7142522-\$ or US-6512749-\$ or US-6341213-\$ or US-6336030-\$).did.	US-PGPUB; USPAT	OR	ON	2007/08/28 16:24
S14 7	2	S146 and deny\$3 and (allocat\$3 or assign\$3) and ((digital same analog) or hybrid)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 16:26
S14 8	3	(analog and digital) adj payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 16:42
S14 9	100	(analog and digital) adj satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 16:42
S15 0	3	S137 and S149	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:08
S15 1	42	((digital\$analog or analog\$digital) near3 processor) same satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:03

## EAST Search History

S15 2	5	S137 and S151	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:11
S15 3	33	("3548108"   "3636452"   "4029902"   "4105973"   "4144495"   "4228401"   "4381562"   "4456988"   "4491947"   "4509198"   "4706239"   "4722083"   "4813036"   "4858225"   "4858229"   "4931802"   "5033108"   "5068813"   "5152482"   "5208829"   "5233609"   "5274627"   "5303286"   "5343512"   "5355512"   "5394560"   "5404375"   "5408515"   "5428814"   "5506904"   "5563892"   "6047162").PN. OR ("6498922").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/28 17:07
S15 4	29	S153 and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:08
S15 5	34	("4491947"   "5003534"   "5392450").PN. OR ("6381228"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/28 17:11
S15 6	0	S148 and S155	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:12
S15 7	0	(hybrid near3 payload) and S155	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:12
S15 8	0	((hybrid or (digital near3 analog)) near3 payload) and S155	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:13
S15 9	28	((hybrid or (digital near3 analog)) near3 payload) and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:17

## EAST Search History

S16 0	4	((hybrid or (digital near3 analog)) adj payload) and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:13
S16 1	18	((hybrid or (digital near3 analog)) near2 payload) and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:17
S16 2	14	S161 and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:27
S16 3	0	(arbitration adj processor) and (return adj aplifier) and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:28
S16 4	0	(arbitration adj processor) and (return adj amplifier) and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:28
S16 5	0	(arbitration adj processor) and (return adj amplifier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/28 17:28
S16 6	4	twta and dama	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 08:51
S16 7	8	((grant\$ or allow\$3 or deny\$3) same request) and (analog same digital same payload same satellite)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 08:53
S16 8	6	S167 and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 08:54



## EAST Search History

S169	36	(US-20040185775-\$ or US-20040110467-\$ or US-20060146863-\$ or US-20050232180-\$ or US-20030068979-\$ or US-20040224633-\$).did. or (US-7103317-\$ or US-7085247-\$ or US-7068616-\$ or US-7058403-\$ or US-7027414-\$ or US-6865388-\$ or US-6985454-\$ or US-6414944-\$ or US-6381228-\$ or US-6336030-\$ or US-6249677-\$ or US-6201961-\$ or US-6987741-\$ or US-6072768-\$ or US-6636721-\$ or US-6195383-\$ or US-5859620-\$ or US-4763325-\$ or US-6512749-\$ or US-5594780-\$ or US-6532219-\$ or US-6400696-\$ or US-7142522-\$ or US-5995832-\$ or US-6498922-\$ or US-6266329-\$). did. or (US-5956620-\$ or US-6408164-\$ or US-6341213-\$ or US-6047162-\$).did.	US-PGPUB; USPAT	OR	ON	2007/08/29 10:04
S170	12	S169 and ((latency or time) same reduc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 10:09
S171	12	S170 and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 10:09
S172	10	S170 and payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 10:09
S173	2	S169 and ((latency or (time near3 process\$3)) same reduc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 10:10
S174	263	(forward same return) same payload	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 12:31
S175	1687	455/12.1.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 15:04

## EAST Search History

S17 6	10	S174 and S175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 12:45
S17 7	3	(forward same return) same payload same analog same digital	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 12:43
S17 8	1	((forward same return) same payload same analog same digital) and arbitration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 12:44
S17 9	1014	((forward and return) near3 (section or amplifier ))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 12:46
S18 0	4	S179 and S175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:41
S18 1	124	((forward and return) near3 (section or amplifier )) and analog and digital	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 13:00
S18 2	1	S181 and S175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 12:46
S18 3	1	((forward and return) near3 (section or amplifier )) and analog and digital and arbitration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 13:01
S18 4	775	((analog and digital and payload) or (hybrid adj payload)) and arbitration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 13:03
S18 5	0	S184 and S175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 13:03

## EAST Search History

S18 6	598	S184 and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 13:03
S18 7	1	((analog and digital) adj payload) or (hybrid adj payload)) and arbitration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 13:03
S18 8	8	((analog and digital) near3 payload) or (hybrid adj payload)) and arbitration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 13:04
S18 9	0	S188 and S175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:24
S19 0	6	S188 and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 13:04
S19 1	2	((analog and digital) near3 payload) or (hybrid adj payload)) and arbitration and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:13
S19 2	3	(arbitration adj processor) and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:15
S19 3	24	(arbitration adj processor) and (analog and digital)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:16
S19 4	0	S175 and S193	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:16

## EAST Search History

S19 5	37	(US-20040185775-\$ or US-20040110467-\$ or US-20060146863-\$ or US-20050232180-\$ or US-20030068979-\$ or US-20040224633-\$ or US-20040097192-\$).did. or (US-7103317-\$ or US-7085247-\$ or US-7068616-\$ or US-7058403-\$ or US-7027414-\$ or US-6865388-\$ or US-6985454-\$ or US-6414944-\$ or US-6381228-\$ or US-6336030-\$ or US-6249677-\$ or US-6201961-\$ or US-6987741-\$ or US-6072768-\$ or US-6636721-\$ or US-6195383-\$ or US-5859620-\$ or US-4763325-\$ or US-6512749-\$ or US-5594780-\$ or US-6532219-\$ or US-6400696-\$ or US-7142522-\$ or US-5995832-\$ or US-6498922-\$ or US-6266329-\$). did. or (US-5956620-\$ or US-6408164-\$ or US-6341213-\$ or US-6047162-\$).did.	US-PGPUB; USPAT	OR	ON	2007/08/29 14:23
S19 6	7	S195 and (dama or "demand assigned multiple access")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:26
S19 7	7	S195 and satellite and (dama or "demand assigned multiple access")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:26
S19 8	7	S195 and (satellite same (dama or "demand assigned multiple access"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:27
S19 9	5	S195 and (satellite with (dama or "demand assigned multiple access"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:27
S20 0	4	(US-20040185775-\$ or US-20040097192-\$).did. or (US-6381228-\$ or US-6987741-\$). did.	US-PGPUB; USPAT	OR	ON	2007/08/29 14:32
S20 1	1	S200 and ack\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:32

## EAST Search History

S20 2	99	satellite with ack\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:40
S20 3	0	satellite with ack\$6 with payload with digital with analog	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:40
S20 4	17	(satellite with ack\$6) and payload and (digital with analog)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:41
S20 5	7	S204 and S175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:49
S20 6	1294	(digital and analog) same transponder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:49
S20 7	719	((digital and analog) or hybrid) with transponder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:49
S20 8	21	S207 and S175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:59
S20 9	460	collision with ack\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:55
S21 0	760	(collision or arbitration) with ack\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:55
S21 1	0	S208 and S210	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:55

## EAST Search History

S21 2	0	S208 and ack\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:56
S21 3	1	S208 and collision	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 14:59
S21 4	26	S209 and transponder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 15:01
S21 5	0	S214 and S175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 15:03
S21 6	1	(arbitration near3 processor) same satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 15:05
S21 7	1462	(arbitration near3 processor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 15:03
S21 8	0	S217 and S175	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 15:05
S21 9	81339	"455"/\$.ccls. and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 15:04
S22 0	16	S217 and S219	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 15:05
S22 1	5	S220 and satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 15:12

## EAST Search History

S22 2	0	((request\$ or access) near3 coordinator) same transponder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 15:13
S22 3	5	((request\$ or access) near3 coordinator) same satellite	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/29 15:13
S22 4	4	(US-20040185775-\$ or US-20040097192-\$).did. or (US-6381228-\$ or US-6987741-\$). did.	US-PGPUB; USPAT	OR	ON	2007/08/29 15:34
S22 5	3	S224 and return and forward	US-PGPUB; USPAT	OR	ON	2007/08/29 15:34
S22 6	79	((analog and digital) with payload) and satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:41
S22 7	21	((analog and digital) with payload) same satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:41
S22 8	4174	((analog and digital) with payload) or hybrid) same satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:41
S22 9	4174	((analog and digital) with payload) or hybrid) same satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:42
S23 0	1	(analog with digital with (payload near3 hybrid)) same satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:44

## EAST Search History

S23 1	1	(analog with digital) same (payload near3 hybrid) same satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:44
S23 2	79	analog same digital same payload same satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:45
S23 3	6	(analog same digital same payload same satellite).clm.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:46
S23 4	2	(analog payload) and (digital payload) and satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:51
S23 5	3	(hybrid payload) and satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:53
S23 6	0	((digital/analog or digital\$analog) payload) and satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:54
S23 7	4	((digital/analog or digital\$analog or analog/digital or analog\$digital) near3 payload) and satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:55
S23 8	18137	hybrid and satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:57



## EAST Search History

S23 9	12	(hybrid near3 payload) and satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:57
S24 0	2	((hybrid near3 payload) and satellite).ab.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 22:58
S24 1	21	((hybrid or double) near3 payload) and satellite	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 23:03
S24 2	15	S241 and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/17 23:04
S24 3	45	(analog and digital) near3 payload	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/17 23:17
S24 4	585	(370/316,323,325).CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/17 23:25
S24 5	0	S244 ((digital/analog or digital\$analog or analog\$digital) near3 payload)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/02/17 23:26
S24 6	16	S244 (digital same analog same payload)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/02/17 23:26

## EAST Search History

S24 7	6	S244 (digital with analog with payload)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2008/02/17 23:27
S24 8	15	S246 and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/17 23:27
S24 9	6	S247 and (@rlad<"20030711" or @ad<"20030711")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/02/17 23:27
S25 0	3	(US-6400696-\$ or US-6249677-\$ or US-6072768-\$).did.	USPAT	ADJ	ON	2008/02/18 01:11
S25 1	474208	"3" and bent	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/18 01:12
S25 2	2	S250 and bent	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/02/18 01:12